purposes of further prosecution thereof in a Division.

Applicant does not traverse the restriction.

## LISTING OF CLAIMS

Claims 1-12 (drawn to a division)

- Claim 13 (currently amended): A light emitting diode having a plated substrate with a mirror, comprising:
  - a permanent metal substrate;
  - a mirror formed on said permanent-metal-substrate;
  - an LED epitaxial structure formed on said mirror, and sequentially comprising a second cladding layer, an active layer, a first cladding layer, a window and a metal contact layer, wherein said second cladding layer is partially exposed;
  - a first electrode formed on said metal contact layer; and a second electrode formed on said exposed second cladding layer; a mirror formed beneath said LED epitaxial structure; and a permanent metal substrate plated beneath said mirror.
- Claim 14 (original): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from a material selected from the group consisting of Ga<sub>x</sub>Al<sub>y</sub>In<sub>1-x-y</sub>N, (Al<sub>x</sub>Ga<sub>1-x</sub>)<sub>y</sub>In<sub>1-y</sub>P, In<sub>x</sub>Ga<sub>1-x</sub>As, ZnS<sub>x</sub>Se<sub>1-x</sub>; wherein 0≤x≤1, 0≤y≤1.
- Claim 15 (original): The light emitting diode as claimed in claim 13 further comprising a transparent conductive film between said first electrode and said metal contact layer.

Claim 16 (canceled)

Claim 17 (canceled)

- Claim 18 (original): The light emitting diode as claimed in claim 13, wherein said mirror is made from a composite of a metal with a low refractivity and an insulating layer with a high refractivity, and said insulating layer is adjacent to said LED epitaxial structure.
- Claim 19 (original): The light emitting diode as claimed in claim 18, wherein said composite is selected from the group consisting of Al/Al<sub>2</sub>O<sub>3</sub>, Al/SiO<sub>2</sub>, Al/MgF<sub>2</sub>, Pt/Al<sub>2</sub>O<sub>3</sub>, Pt/SiO<sub>2</sub>, Pt/MgF<sub>2</sub>, Al/Al<sub>2</sub>O<sub>3</sub>, Al/SiO<sub>2</sub>, Al/MgF<sub>2</sub>, Au/Al<sub>2</sub>O<sub>3</sub>, Au/SiO<sub>2</sub>, Au/MgF<sub>2</sub>, Ag/Al<sub>2</sub>O<sub>3</sub>, Ag/SiO<sub>2</sub>, Ag/MgF<sub>2</sub>.
- Claim 20 (currently added): The light emitting diode as claimed in claim 14, wherein said LED epitaxial structure is made from (Al<sub>x</sub>Ga<sub>1-x</sub>)<sub>y</sub>In<sub>1-y</sub>P; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Au, Au/Zn, Au/Be, Au/Ge, Au/Ge/Ni and Zn, or mixtures thereof.
- Claim 21 (currently added): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from Ga<sub>x</sub>Al<sub>y</sub>In<sub>1-x-y</sub>N; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Pt, Pd, Al, and Ni, or mixtures thereof.
- Claim 22 (currently added): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from In<sub>x</sub>Ga<sub>1-x</sub>As; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Au, Au/Zn, Au/Be, Au/Ge, Au/Ge/Ni and Zn, or mixtures thereof.
- Claim 23 (currently added): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from ZnS<sub>x</sub>Se<sub>1-x</sub>; wherein